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PATENT  
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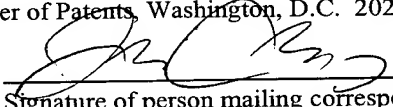
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Luis A. Cruz

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IN THE UNITED STATES RECEIVING OFFICE (US/RO)

Applicant : Bruno Guy et al.

Serial No.:

Filed : October 29, 1999

Title : ANTI-*HELICOBACTER* VACCINE COMPOSITION FOR USE BY  
THE SUBDIAPHRAGMATIC SYSTEMIC ROUTE, AND  
COMBINED MUCOSAL/PARENTERAL IMMUNIZATION  
METHOD

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PRELIMINARY AMENDMENT

Prior to examination of the above-captioned patent application, which is  
being filed herewith, kindly amend the application as follows.

In the Claims:

Cancel claims 19-24 and 26-36. Amend claims 7 and 10 as follows.

7. (Amended) Use according to Claim 5 [or 6], in which the Th1-type  
immune response is characterized either (i) by a ratio of the ELISA IgG2a: IgG1 titers  
greater than or equal to 1:100, or (ii) by a ratio of the ELISA IgG2a:IgA titers greater  
than or equal to 1:100.

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